Graph transformations, interpolation and extremal theorems for graph parameters

Narong Punnim

Department of Mathematics, Srinakharinwirot University,

Sukhumvit 23, Bangkok 10110, Thailand

`narongp@swu.ac.th`

ABSTRACT

Let J be a class of simple graphs. A *graph transformation* σ on J is a subset of J×J. We will discuss several kinds of graph transformations depending on J. We will also discuss the *interpolation and extremal property* of several graph parameters in special classes of graphs.